

REMARKS

Reconsideration and allowance of the above-referenced application are respectfully requested.

The title and abstract stand objected to, and a new title and abstract have been provided herein.

The objections to the specification have been obviated herein by amendment as requested.

Numerous claims stand rejected under 35 U.S.C. 112, second paragraph. In response, these claims are amended herewith for definiteness.

Claims 17, 22, 23, 39, and 45 stand rejected under 35 U.S.C. 102(a) as allegedly being anticipated by Hong. Claims 17 and 39 have been amended to include light emitting elements over the film, and as amended, it is respectfully suggested that the §102 rejections have been obviated.

Claims 19, 21, 24, 43, 44, and 46 stand rejected under 35 U.S.C. 103 as allegedly being unpatentable over Hong. Since these claims depend from the independent claims noted above, it is respectfully suggested that these claims should be similarly allowable.

New claims 47-57 are also added herein. Claim 47 recites a second insulating film over at least one thin film transistor as supported by Embodiment Mode 1 and Fig. 1. Claim 48 recites a

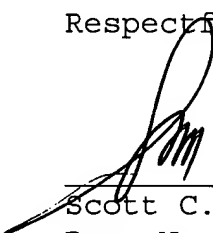
passivation film comprising nitride over at least one light emitting element. This is supported by Embodiment 1 at page 24, lines 15-19, and Fig. 7C. Claim 49 recites the allowable subject matter of the first and second substrates comprising an organic material. This is supported by Embodiment 2 (page 25, line 23 through page 26, line 4), FIG. 8B, and Embodiment 4 (page 29, lines 18-25) and FIG. 11. The dependent claims should be allowable for similar reasons to those noted above.

In view of the above amendments and remarks, therefore, all of the claims should be in condition for allowance. A formal notice to that effect is respectfully solicited.

Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 1/21/03

  
\_\_\_\_\_  
Scott C. Harris  
Reg. No. 32,030

**PTO Customer No. 20985**



Fish & Richardson P.C.  
4350 La Jolla Village Drive, Suite 500  
San Diego, California 92122  
Telephone: (858) 678-5070  
Facsimile: (858) 678-5099

10246008.doc

VERSION TO SHOW CHANGES MADE

In the Title:

The title has been replaced with the following title:

"SEMICONDUCTOR DEVICE WITH LIGHT EMITTING ELEMENTS AND AN  
ADHESIVE LAYER HOLDING COLOR FILTERS"

In the Abstract:

The Abstract of the Disclosure has been replaced with the  
following Abstract:

A high performance electric device which uses an adhesive layer over a substrate. A color filter is over a substrate, and an adhesive layer is also located over the substrate and color film. An insulating layer is over the adhesive layer, and thin film transistors cover the insulating film and the color filters. Light emitting elements cover the thin film transistors and emit light through the substrate that is through the adhesive layer and color filter. The substrate may be plastic, thus increasing the heat resistance.

In the Specification:

The paragraph beginning at page 7, line 15, has been amended as follows:

[Fig. 4] Figs. 4A-4E illustrate[s] a manufacturing process of an EL display device of Embodiment 1;

The paragraph beginning at page 7, line 17, has been amended as follows:

[Fig. 5] Figs. 5A-5D illustrate[s] the manufacturing process of the EL display device of Embodiment 1;

The paragraph beginning at page 7, line 19, has been amended as follows:

[Fig. 6] Figs. 6A-6D illustrate[s] the manufacturing process of the EL display device of Embodiment 1;

The paragraph beginning at page 7, line 21, has been amended as follows:

[Fig. 7] Figs. 7A-7C illustrate[s] the manufacturing process of the EL display device of Embodiment 1;

The paragraph beginning at page 7, line 23, has been amended as follows:

[Fig. 8] Figs. 8A-8C illustrate[s] a manufacturing process of an EL display device of Embodiment 2;

The paragraph beginning at page 7, line 25, has been amended as follows:

[Fig. 9] Figs. 9A-9B illustrate[s] the manufacturing process of the EL display device of Embodiment 2;

The paragraph beginning at page 8, line 2, has been amended as follows:

[Fig. 10] Figs. 10A-10B illustrate[s] a terminal portion of an EL display device according to the present invention;

The paragraph beginning at page 8, line 10, has been amended as follows:

[Fig. 14] Figs. 14A-14B illustrate[s] an example of arrangement of pixels of the color filters;

The paragraph beginning at page 8, line 11 has been amended as follows:

[Fig. 15] Figs. 15A-15B illustrate[s] another example of arrangement of pixels of the color filters;

The paragraph beginning at page 8, line 13, has been amended as follows:

[Fig. 16] Figs. 16A-16D illustrate[s] a manufacturing process of a display device according to the present invention;.

The paragraph beginning at page 8, line 15, has been amended as follows:

[Fig. 17] Figs. 17A-17C illustrate[s] the manufacturing process of the display device according to the present invention;

The paragraph beginning at page 8, line 17, has been amended as follows:

[Fig. 18] Figs. 18A-18B illustrate[s] the manufacturing process of the display device according to the present invention;

The paragraph beginning at page 8, line 23, has been amended as follows:

[Fig. 21] Figs. 21A-21F illustrate[s] examples of electronic apparatuses; and

The paragraph beginning at page 8, line 24, has been amended as follows:

[Figs. 22] Figs. 22A-22C illustrate[s] further examples of electronic[;] apparatuses.

In the Claims:

Claims 37 and 40 have been cancelled.

The claims have been amended as follows.

1. (Amended) A semiconductor device comprising:  
at least one color filter[s] [on] over a substrate;  
an adhesive layer [on] over the substrate and the at least one color filter[s];  
an insulating film [on] over said adhesive layer;  
[a plurality of TFTs] at least one thin film transistor  
over the insulating film and the at least one color filter[s];  
and  
at least one light emitting element[s] [on] over the [TFTs]  
at least one thin film transistor,  
wherein light emitted from said light emitting elements is  
emitted through said substrate.

3. (Amended) A device according to claim 1, wherein said semiconductor device further comprises driver circuits over said insulating film and the at least one color filter[s], and said driver circuits comprise [TFTs] thin film transistors.

4. (Amended) A device according to claim 1, wherein the at least one color filter[s] [are] is provided on said substrate at a position[s] aligned with the [TFTs] at least one thin film transistor.

5. (Amended) A device according to claim 1, wherein said insulating film covers said at least one color filter[s], and has a planarized surface.

6. (Amended) A device according to claim 1, wherein at least one red color filter[s] of said at least one color filter[s] [are] is provided at position[s] aligned with at least channel forming region[s] of said [TFTs] at least one thin film transistor.

9. (Amended) A device according to claim 4, further comprising a black mask together with said at least one color filter[s].

17. (Amended) A semiconductor device comprising:  
at least one color filter[s] provided [on] over a substrate;

an adhesive layer over said substrate and said at least one color filter[s];



an insulating film on said adhesive layer; and  
[a plurality of TFTs] at least one thin film transistor  
over the insulating film and the at least one color filter[s];  
and  
at least one light emitting elements over said at least one  
thin film transistor.

18. (Amended) A device according to claim 17, wherein said semiconductor device further comprises driver circuits over said insulating film and said at least one color filter[s], and said driver circuits comprise [TFTs] thin film transistors.

20. (Amended) A device according to claim 17, wherein at least one red color filter[s] of said at least one color filter[s] [are] is provided at position[s] aligned with at least channel forming region[s] of said [TFTs] at least one thin film transistor.

22. (Amended) A device according to claim 17, wherein a fixing substrate is provided over said [TFTs] at least one thin film transistor so as to face said substrate.

39. (Amended) A semiconductor device comprising:  
at least one red color filter[s] provided [on] over a substrate;

an adhesive layer over said substrate and said at least one red color filter[s];

an insulating film on said adhesive layer; and

[a plurality of TFTs] at least one thin film transistor over the insulating film and said at least one red color filter[s]; and

at least one light emitting element over the at least one thin film transistor.

45. (Amended) A device according to claim 39, wherein a fixing substrate is provided over said [TFTs] at least one thin film transistor so as to face said substrate.

New claims 47-57 have been added.